



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 6

Test Date: March 2008
Code: 12471699
SAU: MSAD 53
School: Warsaw Middle School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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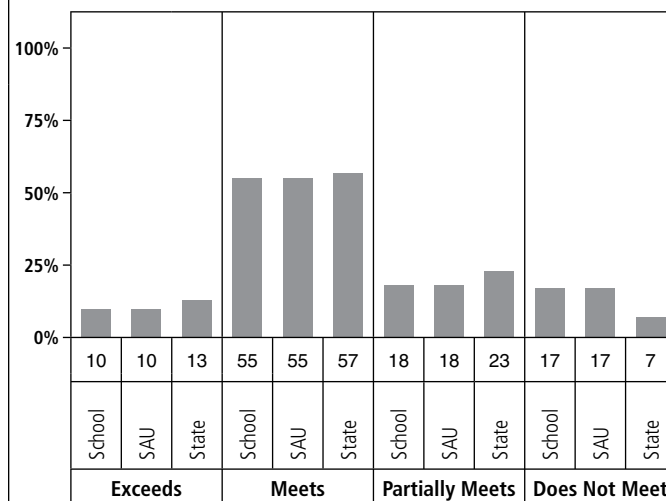
SUMMARY OF SCORES

Test Date: March 2008
Grade: 6
SAU: MSAD 53
School: Warsaw Middle School

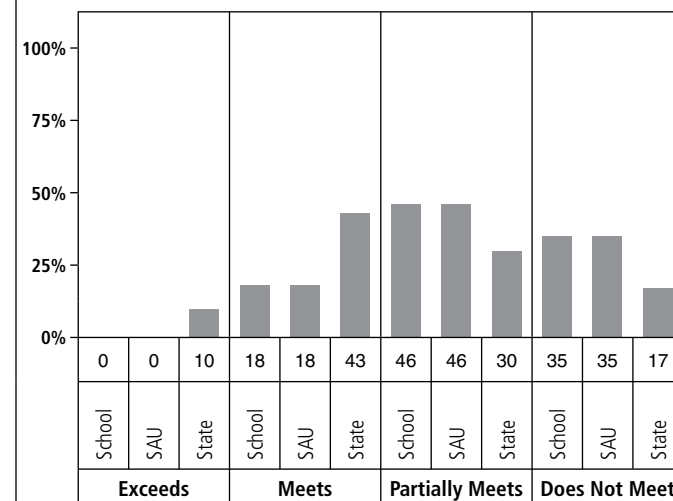
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	644	644	644
2006–2007	643	643	646
2007–2008	644	644	648
Cum. Avg. *	644	644	646
Mathematics			
2005–2006	634	634	641
2006–2007	638	638	643
2007–2008	630	630	642
Cum. Avg. *	634	634	642

ELA – READING



MATHEMATICS



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 6
 SAU: MSAD 53
 School: Warsaw Middle School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	86	100	86	100	14365	100	85	99	85	99	14266	99	85	99	85	99	14268	99						
Ethnicity African American/Black	1	1	1	1	418	3	1	100	1	100	407	97	1	100	1	100	413	99						
American Indian or Native Alaskan	0	0	0	0	111	1	0	0	0	0	110	99	0	0	0	0	110	99						
Asian or Pacific Islander	0	0	0	0	249	2	0	0	0	0	249	100	0	0	0	0	248	100						
Hispanic	0	0	0	0	149	1	0	0	0	0	147	99	0	0	0	0	147	99						
Caucasian/White	85	99	85	99	13438	94	84	99	84	99	13353	100	84	99	84	99	13350	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	23	27	23	27	2518	18	23	100	23	100	2479	99	23	100	23	100	2479	99						
Current LEP	0	0	0	0	349	2	0	0	0	0	339	97	0	0	0	0	344	99						
Economically disadvantaged	49	57	49	57	5335	37	49	100	49	100	5277	99	49	100	49	100	5279	99						
Migrant	1	1	1	1	7	0	1	100	1	100	7	100	1	100	1	100	7	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	63	73	63	73	11613	81	63	73	63	73	11626	81						
Identified disability (PET/IEP)	1	2	1	2	373	3	1	2	1	2	373	3						
LEP	0	0	0	0	187	2	0	0	0	0	187	2						
504 plan	0	0	0	0	149	1	0	0	0	0	150	1						
Participation with accommodations	19	22	19	22	2451	17	19	22	19	22	2446	17						
Identified disability (PET/IEP)	19	100	19	100	1909	78	19	100	19	100	1910	78						
LEP	0	0	0	0	142	6	0	0	0	0	152	6						
504 plan	0	0	0	0	85	3	0	0	0	0	84	3						
Other	0	0	0	0	350	14	0	0	0	0	335	14						
Participation through alternate assessment (PAAP)	3	3	3	3	197	1	3	3	3	3	196	1						
Identified disability (PET/IEP)	3	100	3	100	197	100	3	100	3	100	196	100						
LEP	0	0	0	0	5	3	0	0	0	0	5	3						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	5	0												
Approved non-participation – special consideration	0	0	0	0	24	0	0	0	0	0	24	0						
Non-participation – other	1	1	1	1	75	1	1	1	1	1	73	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 6
SAU: MSAD 53
School: Warsaw Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 661–680)	2005-2006	8	9	8	9	1176	8
	2006-2007	4	6	4	6	1132	8
	2007-2008	8	10	8	10	1817	13
	Cum. Total*	20	8	20	8	4125	10
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 641–660)	2005-2006	39	44	39	44	7612	51
	2006-2007	36	52	36	52	8127	57
	2007-2008	45	55	45	55	8072	57
	Cum. Total*	120	50	120	50	23811	55
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 629–640)	2005-2006	28	32	28	32	4080	27
	2006-2007	18	26	18	26	3549	25
	2007-2008	15	18	15	18	3194	23
	Cum. Total*	61	26	61	26	10823	25
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 600–628)	2005-2006	13	15	13	15	2005	13
	2006-2007	11	16	11	16	1478	10
	2007-2008	14	17	14	17	981	7
	Cum. Total*	38	16	38	16	4464	10

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	56	100	30.3	54.1	30.3	54.1	32.7	58.4
Literary Text	28	50	15.0	53.6	15.0	53.6	16.3	58.2
Informational Text	28	50	15.4	55.0	15.4	55.0	16.5	58.9

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 6
 SAU: MSAD 53
 School: Warsaw Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	82	8	10	45	55	15	18	14	17	644	82	10	55	18	17	644	14064	13	57	23	7	648
Ethnicity																						
African American/Black	1										1						399	7	47	28	17	642
American Indian or Native Alaskan	0										0						108	4	54	32	10	643
Asian or Pacific Islander	0										0						247	16	60	20	4	650
Hispanic	0										0						145	8	45	34	14	643
Caucasian/White	81	8	10	44	54	15	19	14	17	644	81	10	54	19	17	644	13165	13	58	22	7	648
Not Reported	0										0						0					
Identified disability																						
Yes	20	2	10	0	0	5	25	13	65	628	20	10	0	25	65	628	2282	2	29	42	27	636
No	62	6	10	45	73	10	16	1	2	650	62	10	73	16	2	650	11782	15	63	19	3	650
Current LEP																						
Yes	0										0						329	4	44	30	22	640
No	82	8	10	45	55	15	18	14	17	644	82	10	55	18	17	644	13735	13	58	23	7	648
Economically disadvantaged																						
Yes	47	7	15	24	51	10	21	6	13	646	47	15	51	21	13	646	5153	6	51	31	12	643
No	35	1	3	21	60	5	14	8	23	642	35	3	60	14	23	642	8911	17	61	18	4	650
Migrant																						
Yes	1										1						7	14	57	14	14	648
No	81	7	9	45	56	15	19	14	17	644	81	9	56	19	17	644	14057	13	57	23	7	648
Gender																						
Female	42	6	14	25	60	6	14	5	12	647	42	14	60	14	12	647	6967	16	59	20	5	650
Male	40	2	5	20	50	9	23	9	23	641	40	5	50	23	23	641	7097	9	56	26	9	646
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1186	6	41	42	11	642
No	82	8	10	45	55	15	18	14	17	644	82	10	55	18	17	644	12878	14	59	21	7	648
Gifted/talented program																						
Yes	0										0						557	50	48	2	0	661
No	82	8	10	45	55	15	18	14	17	644	82	10	55	18	17	644	13507	11	58	24	7	647

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 6
SAU: MSAD 53
School: Warsaw Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	17	1	7	3	21	3	21	7	50	631	17	7	21	21	50	631	6	7	43	30	20	641
B. less than one hour	54	3	7	29	66	9	20	3	7	647	54	7	66	20	7	647	56	13	58	23	6	648
C. one to two hours	28	4	17	13	57	3	13	3	13	649	28	17	57	13	13	649	34	15	60	20	5	649
D. more than two hours	1	0	0	0	0	0	0	1	100	622	1	0	0	0	100	622	3	9	46	29	16	643
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?																						
A. The questions on the test match what I have learned in reading class.	44	6	17	20	56	5	14	5	14	646	44	17	56	14	14	646	40	17	60	19	5	650
B. They match some of what I have learned.	39	2	6	20	63	7	22	3	9	646	39	6	63	22	9	646	48	12	59	23	6	648
C. They match just a little of what I have learned.	15	0	0	5	42	2	17	5	42	636	15	0	42	17	42	636	9	7	45	34	15	643
D. There is no match.	2	0	0	0	0	1	50	1	50	628	2	0	0	50	50	628	3	3	31	37	29	637
Which of the following best describes how you rate yourself as a student in reading?																						
A. very good	27	4	18	12	55	3	14	3	14	648	27	18	55	14	14	648	28	26	58	11	4	653
B. good	48	2	5	22	56	8	21	7	18	643	48	5	56	21	18	643	54	9	61	24	6	647
C. fair	23	2	11	10	53	4	21	3	16	645	23	11	53	21	16	645	16	3	48	37	13	642
D. poor	1	0	0	0	0	0	0	1	100	614	1	0	0	0	100	614	2	1	37	39	23	637
How difficult was the reading part of this test?																						
A. harder than my regular schoolwork	9	0	0	4	57	1	14	2	29	637	9	0	57	14	29	637	15	10	48	27	15	644
B. about the same as my regular schoolwork	63	7	13	28	54	10	19	7	13	647	63	13	54	19	13	647	66	13	59	22	5	649
C. easier than my regular schoolwork	28	1	4	13	57	4	17	5	22	640	28	4	57	17	22	640	18	15	58	20	7	649
How difficult were the reading passages on this test?																						
A. Most of the passages were more difficult than what I normally read.	11	1	11	3	33	2	22	3	33	638	11	11	33	22	33	638	9	2	37	37	23	638
B. Most of the passages were about the same as what I normally read.	55	4	9	28	62	6	13	7	16	646	55	9	62	13	16	646	54	9	59	26	6	647
C. Most of the passages were easier than what I normally read.	34	3	11	14	50	7	25	4	14	644	34	11	50	25	14	644	36	21	60	15	4	652
How hard did you try on the reading part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	43	6	17	17	49	6	17	6	17	645	43	17	49	17	17	645	46	13	56	24	7	648
B. I tried about the same as I do on my regular schoolwork.	54	2	5	27	61	9	20	6	14	644	54	5	61	20	14	644	50	14	60	21	6	649
C. I did not try as hard on this test as I do on my regular schoolwork.	4	0	0	1	33	0	0	2	67	629	4	0	33	0	67	629	3	5	46	30	20	641
How much time do you spend reading at home each day?																						
A. more than one hour	16	2	15	7	54	2	15	2	15	646	16	15	54	15	15	646	19	19	58	17	6	651
B. 20 minutes to an hour	38	4	13	21	68	6	19	0	0	650	38	13	68	19	0	650	51	15	60	20	5	649
C. less than 20 minutes	15	1	8	8	67	3	25	0	0	648	15	8	67	25	0	648	12	9	56	26	9	646
D. I rarely read at home.	32	1	4	9	35	4	15	12	46	635	32	4	35	15	46	635	18	4	50	34	13	643
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	1	100	0	0	0	0	646	100	0	100	0	0	646						
D.	0										0											

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 6
SAU: MSAD 53
School: Warsaw Middle School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 661–680)	2005-2006	2	2	2	2	1463	10
	2006-2007	3	4	3	4	2092	15
	2007-2008	0	0	0	0	1474	10
	Cum. Total*	5	2	5	2	5029	12
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 641–660)	2005-2006	33	38	33	38	5914	40
	2006-2007	30	43	30	43	5731	40
	2007-2008	15	18	15	18	6008	43
	Cum. Total*	78	33	78	33	17653	41
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 627–640)	2005-2006	23	26	23	26	4494	30
	2006-2007	23	33	23	33	4175	29
	2007-2008	38	46	38	46	4244	30
	Cum. Total*	84	35	84	35	12913	30
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 600–626)	2005-2006	30	34	30	34	3014	20
	2006-2007	14	20	14	20	2308	16
	2007-2008	29	35	29	35	2346	17
	Cum. Total*	73	30	73	30	7668	18

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	19	34	6.8	35.8	6.8	35.8	9.6	50.5
Cluster 2: Shape and Size	15	27	5.6	37.3	5.6	37.3	8.1	54.0
Cluster 3: Mathematical Decision Making	7	13	3.3	47.1	3.3	47.1	4.2	60.0
Cluster 4: Patterns	15	27	5.4	36.0	5.4	36.0	7.5	50.0

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.



MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 6
 SAU: MSAD 53
 School: Warsaw Middle School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	82	0	0	15	18	38	46	29	35	630	82	0	18	46	35	630	14072	10	43	30	17	642
Ethnicity																						
African American/Black	1										1						409	4	26	35	35	632
American Indian or Native Alaskan	0										0						108	6	26	39	29	635
Asian or Pacific Islander	0										0						247	13	50	25	13	646
Hispanic	0										0						145	9	32	34	25	638
Caucasian/White	81	0	0	15	19	37	46	29	36	630	81	0	19	46	36	630	13163	11	43	30	16	643
Not Reported	0										0						0					
Identified disability																						
Yes	20	0	0	1	5	5	25	14	70	617	20	0	5	25	70	617	2283	2	18	31	49	627
No	62	0	0	14	23	33	53	15	24	634	62	0	23	53	24	634	11789	12	48	30	10	645
Current LEP																						
Yes	0										0						339	5	22	32	41	631
No	82	0	0	15	18	38	46	29	35	630	82	0	18	46	35	630	13733	11	43	30	16	643
Economically disadvantaged																						
Yes	47	0	0	8	17	22	47	17	36	630	47	0	17	47	36	630	5160	4	34	36	26	636
No	35	0	0	7	20	16	46	12	34	631	35	0	20	46	34	631	8912	14	48	27	11	646
Migrant																						
Yes	1										1						7	0	57	43	0	641
No	81	0	0	15	19	37	46	29	36	630	81	0	19	46	36	630	14065	10	43	30	17	642
Gender																						
Female	42	0	0	6	14	20	48	16	38	629	42	0	14	48	38	629	6974	10	43	31	16	642
Male	40	0	0	9	23	18	45	13	33	632	40	0	23	45	33	632	7098	11	42	30	17	642
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	0										0						1192	4	23	43	30	634
No	82	0	0	15	18	38	46	29	35	630	82	0	18	46	35	630	12880	11	44	29	15	643
Gifted/talented program																						
Yes	0										0						557	53	42	4	0	663
No	82	0	0	15	18	38	46	29	35	630	82	0	18	46	35	630	13515	9	43	31	17	641

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 6
SAU: MSAD 53
School: Warsaw Middle School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	17	0	0	1	7	5	36	8	57	622	17	0	7	36	57	622	6	6	33	31	31	635
B. less than one hour	54	0	0	9	20	20	45	15	34	632	54	0	20	45	34	632	56	11	43	30	16	643
C. one to two hours	28	0	0	5	22	13	57	5	22	633	28	0	22	57	22	633	34	11	45	30	14	644
D. more than two hours	1	0	0	0	0	0	0	1	100	600	1	0	0	0	100	600	3	6	33	32	28	636
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	35	0	0	5	17	15	52	9	31	632	35	0	17	52	31	632	45	14	47	28	11	646
B. They match some of what I have learned.	46	0	0	10	26	18	47	10	26	634	46	0	26	47	26	634	43	8	43	33	17	641
C. They match just a little of what I have learned.	16	0	0	0	0	4	31	9	69	617	16	0	0	31	69	617	9	6	30	33	32	635
D. There is no match.	2	0	0	0	0	1	50	1	50	627	2	0	0	50	50	627	3	5	15	25	54	626
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	13	0	0	2	20	5	50	3	30	633	13	0	20	50	30	633	29	24	51	17	8	651
B. good	45	0	0	10	28	15	42	11	31	633	45	0	28	42	31	633	48	6	45	33	16	641
C. fair	36	0	0	3	10	15	52	11	38	628	36	0	10	52	38	628	19	1	29	42	28	634
D. poor	6	0	0	0	0	3	60	2	40	628	6	0	0	60	40	628	3	0	15	41	44	627
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	26	0	0	3	14	8	38	10	48	627	26	0	14	38	48	627	24	5	38	33	24	638
B. about the same as my regular schoolwork	64	0	0	12	23	26	50	14	27	633	64	0	23	50	27	633	62	9	45	31	14	643
C. easier than my regular schoolwork	10	0	0	0	0	4	50	4	50	623	10	0	0	50	50	623	14	26	43	20	12	650
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	48	0	0	7	18	17	44	15	38	630	48	0	18	44	38	630	48	10	41	32	17	642
B. I tried about the same as I do on my regular schoolwork.	49	0	0	8	20	21	53	11	28	631	49	0	20	53	28	631	49	12	45	28	15	644
C. I did not try as hard on this test as I do on my regular schoolwork.	2	0	0	0	0	0	0	2	100	618	2	0	0	0	100	618	3	9	33	27	32	637
How often do you use hands-on materials in mathematics class?																						
A. almost every day	19	0	0	2	13	7	47	6	40	630	19	0	13	47	40	630	17	8	39	30	22	639
B. two or three days a week	31	0	0	6	24	12	48	7	28	632	31	0	24	48	28	632	34	11	44	31	14	643
C. two or three times each month	42	0	0	6	18	17	50	11	32	631	42	0	18	50	32	631	31	12	44	29	15	644
D. never or almost never	9	0	0	1	14	1	14	5	71	621	9	0	14	14	71	621	18	10	42	31	18	642
How often do you use calculators in mathematics class?																						
A. almost every day	20	0	0	1	6	8	50	7	44	626	20	0	6	50	44	626	11	11	37	29	23	641
B. two or three days a week	41	0	0	8	24	17	50	9	26	633	41	0	24	50	26	633	32	11	44	30	15	643
C. two or three times each month	32	0	0	6	23	12	46	8	31	633	32	0	23	46	31	633	32	11	45	30	15	643
D. never or almost never	7	0	0	0	0	1	17	5	83	612	7	0	0	17	83	612	26	9	40	32	19	641
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	7	0	0	1	17	2	33	3	50	626	7	0	17	33	50	626	7	6	29	33	32	635
B. 30–45 minutes	21	0	0	1	6	10	59	6	35	629	21	0	6	59	35	629	37	8	39	34	20	640
C. 45–60 minutes	67	0	0	13	24	24	44	18	33	632	67	0	24	44	33	632	42	13	47	28	12	645
D. more than 60 minutes	5	0	0	0	0	2	50	2	50	617	5	0	0	50	50	617	15	12	46	27	15	644
Optional school/SAU question																						
A.	0										0											
B.	0										0											
C.	100	0	0	0	0	1	100	0	0	632	100	0	0	100	0	632						
D.	0										0											